

Day : Monday  
Date: 7/10/2006

Time: 07:30:05



PALM INTRANET

## Inventor Information for 10/767196

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**Scholar** Results 1 - 10 of about 319 for **RAID (predict error OR failure) spare disk table**. (0.03 seconds)

### Introduction to redundant arrays of inexpensive disks (RAID)

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DA Patterson, P Chen, G Gibson, RH Katz - COMPCON Spring'89. Thirty-Fourth IEEE Computer Society ... - [ieeexplore.ieee.org](#)

... of the disks in the group to determine what bit value on the failed disk would give the ... This N+1 RAID can lose data only if there is a second failure in the ...

[Cited by 49](#) - [Web Search](#)

### Design and modeling of clustered RAID

A Merchant, PS Yu - Fault-Tolerant Computing, 1992. FTCS-22. Digest of Papers., ..., 1992 - [ieeexplore.ieee.org](#)

... analytical model is constructed to predict recovery time ... Our analysis shows that clustered RAID is significantly more tolerant of disk failure than the ...

[Cited by 26](#) - [Web Search](#)

### RAID keeps going and going and...[magnetic disk storage]

MB Friedman - Spectrum, IEEE, 1996 - [ieeexplore.ieee.org](#)

... constant data availability certainly preceded the RAID concept Disk ... as it is on fault prediction aid recovery ... When error thresholds are exceeded, the disk ...

[Cited by 6](#) - [Web Search](#) - [BL Direct](#)

### Analytic modeling of clustered RAID with mapping based on nearly random permutation - group of 7 »

A Merchant, PS Yu - IEEE Transactions on Computers, 1996 - [doi.ieeecomputersociety.org](#)

... An analytical model was constructed to predict the recovery time of a clustered RAID after a disk failure, and the read and update delays in ...

[Cited by 21](#) - [Web Search](#) - [BL Direct](#)

### How reliable is a RAID?

M Schulze, G Gibson, R Katz, DA Patterson - COMPCON Spring'89. Thirty-Fourth IEEE Computer Society ... - [ieeexplore.ieee.org](#)

... MTTF equation for a single error correcting RAID (ie, an ... Miscorrected <1 error in 1021 Data Error bits read ... disk Mean Time To Repair and disk failure rates are ...

[Cited by 37](#) - [Web Search](#)

### Reliability and security of RAID storage systems and D2D archives using SATA disk drives - group of 2 »

GF Hughes, JF Murray - ACM Transactions on Storage (TOS), 2005 - [portal.acm.org](#)

... of magnitude, even with modest 50% prediction accuracy, particularly ... used later as a typical RAID annual failure ... drives without an unrecoverable error in any ...

[Cited by 1](#) - [Web Search](#)

### [book] An Analysis of Error Behavior in a Large Storage System - group of 3 »

N Talagala, D Patterson - 1999 - [eecs.berkeley.edu](#)

... Even though the RAID work focused on improving availability, most ... in the medium as a Hardware Failure [14 ... single request, the drive chooses which error to report ...

[Cited by 25](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

### Automatic recovery from disk failure in continuous-media servers - group of 3 »

JYB Lee, JCS Lui - Parallel and Distributed Systems, IEEE Transactions on, 2002 - [ieeexplore.ieee.org](#)

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Mon, 10 Jul 2006, 7:30:35 AM EST

Search Query Display

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- #1 (((raid and (predict <near/3> (error or failure)) and (spare <near/3> (disk or disc)) and (spare <near/3> table) and ((disk or disc) <near/3> table)))<in>metadata)
- #2 (((raid and (predict <near/3> (error or failure)) and (spare <near/3> (disk or disc)) and ((disk or disc) <near/3> table)))<in>metadata)
- #3 (((raid and (predict <near/3> (error or failure)) and (spare <near/3> (disk or disc)) ))<in>metadata)
- #4 (((raid and (predict <near/3> (error or failure)) and spare ))<in>metadata)
- #5 ((raid and (predict <near/3> (error or failure)))<in>metadata)

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## EAST Search History

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L8	0	(RAID with (predict\$3 near3 (error or failure)) with (spare near3 (disk or disc)) with (spare near3 table) with ((disk or disc) near3 table)). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:23
L9	0	(RAID with (predict\$3 near3 (error or failure)) with (spare near3 (disk or disc)) with (spare near3 table) with ((disk or disc) near3 table))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:23
L10	0	(RAID same (predict\$3 near3 (error or failure)) same (spare near3 (disk or disc)) same (spare near3 table) same ((disk or disc) near3 table))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:23
L11	0	(RAID and (predict\$3 near3 (error or failure)) and (spare near3 (disk or disc)) and (spare near3 table) and ((disk or disc) near3 table)). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:24
L12	1	(RAID and (predict\$3 near3 (error or failure)) and (spare near3 (disk or disc)) and (spare near3 table) and ((disk or disc) near3 table))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:24

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	RAID same ((error or failure) near3 predict\$3) same table same (spare near3 (disk or disc))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:14
L2	1	RAID same ((error or failure) near3 predict\$3) same table	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:14
L3	3	711/114.ccls. and ((error or failure) near3 predict\$3) same table	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:15
L4	21	711/114.ccls. and ((error or failure) near3 predict\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:15
L5	10	711/114.ccls. and ((error or failure) near3 predict\$3) and spare	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:16
L6	10	711/114.ccls. and ((error or failure) near3 predict\$3) and ((spare or extra) near3 (disk or disc))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:19
L7	5	711/114.ccls. and ((error or failure) near3 predict\$3) and ((spare or extra) near3 (disk or disc)) and table	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:19
S2	115	RAID near3 spar\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 04:21
S3	5	RAID same (dynamic near3 spar\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 06:31

## EAST Search History

S4	4	RAID same (divided near3 copy\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 08:26
S5	0	RAID same (error near3 table near3 history)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 07:08
S6	1	RAID same (error near3 history)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 08:27
S7	8	RAID same (error near3 table)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 08:27
S8	1849	711/114.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 08:58
S9	35	S8 and (error same (spar\$3 with fail\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 08:59
S10	22	S8 and (RAID same error same (spar\$3 with fail\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 09:00
S11	2	"6154853".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 08:01
S12	139	RAID near3 spare	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 04:21